

ABSTRACT OF THE DISCLOSURE

An internal combustion engine (1010 or 2000) is provided. The internal combustion engine includes a housing (1013 or 1068) and a piston assembly (6, 1012, and 2038) disposed in the housing. The piston assembly is substantially stationary
5 relative to the housing. A cylinder (1, 1014, and 2040) is movably disposed within the housing. A combustion chamber (20, 1033, and 2064) is disposed between the piston assembly and the cylinder.

BDK:lls